01/03/2013
Bank: (Aviation Mechanic Airframe)
Airman Knowledge Test Question Bank

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The Learning Statement Reference Guide for Airman Knowledge Testing contains listings of learning statements with their associated codes. It can be located at: http://www.faa.gov/training_testing/testing/airmen/media/LearningStatementReferenceGuide.pdf

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1. AMA102 AMA
Which statement concerning wood decay is correct?
A) Decay that appears to be mineral streaks is acceptable.
B) A limited amount of decay along the beveled edges of unrouted beams is acceptable.
C) Any form or amount of decay is not permitted.

2. AMA102 AMA
Any wooden member that has been overstressed is subject to which type of failure?
A) Bond failure.
B) Compression failure.
C) Finish failure.

3. AMA040 AMA
Moisture, mildew, chemicals, and acids have no effect on
A) glass fabric.
B) linen fabric.
C) dacron fabric.

4. AMA040 AMA
Before applying a protective coating to any unpainted clean aluminum, you should
A) wipe the surface with avgas or kerosene.
B) remove any conversion coating film.
C) avoid touching the surface with bare hands.

5. AMA088 AMA
If registration numbers are to be applied to an aircraft with a letter height of 12 inches, what is the minimum space required for the registration mark N1683C?
Note:
2/3 x height = character width.
1/6 x height = width for 1.
1/4 x 2/3 height = spacing.
1/6 x height = stroke or line width.
A) 52 inches.
B) 48 inches.
C) 57 inches.

6. AMA040 AMA

What is used to slow the drying time of some finishes and to prevent blush?
A) Reducer.
B) Retarder.
C) Rejuvenator.

7. AMA040 AMA
Which defect in aircraft finishes may be caused by adverse humidity, drafts, or sudden changes in temperature?
A) Orange peel.
B) Blushing.
C) Pinholes.

8. AMA037 AMA
When inspecting a composite panel using the ring test/tapping method, a dull thud may indicate
A) less than full strength curing of the matrix.
B) separation of the laminates.
C) an area of too much matrix between fiber layers.

9. AMA021 AMA
The primary alloying agent of 2024-T3 is indicated by the number
A) 2.
B) 20.
C) 24.

10. AMA021 AMA
Which part of the 2017-T36 aluminum alloy designation indicates the primary alloying agent used in its manufacture?
A) 2.
B) 17.
C) 20.

11. AMA017 AMA
Clad aluminum alloys are used in aircraft because they
A) can be heat treated much easier than the other forms of aluminum.
B) are less subject to corrosion than uncoated aluminum alloys.
C) are stronger than unclad aluminum alloys.

12. AMA021 AMA
Which part(s) of a semi monocoque fuselage prevent(s) tension and compression from bending the fuselage?
A) The fuselage covering.
B) Longerons and stringers.
C) Bulkheads and skin.

13. AMA094 AMA
Longitudinal (fore and aft) structural members of a semi monocoque fuselage are called
A) spars and ribs.
B) longerons and stringers.
C) spars and stringers.

14. AMA037 AMA
The length of time that a catalyzed resin will remain in a workable state is called the
A) pot life.
B) shelf life.

C) service life.

15. AMA037 AMA
Sandwich panels made of metal honeycomb construction are used on modern aircraft because this type of construction
A) is lighter than single sheet skin of the same strength and is more corrosion resistant.
B) may be repaired by gluing replacement skin to the inner core material with thermoplastic resin.
C) has a high strength to weight ratio.

16. AMA037 AMA
Repairing advanced composites using materials and techniques traditionally used for fiberglass repairs is likely to result in
A) restored strength and flexibility.
B) improved wear resistance to the structure.
C) an unairworthy repair.

17. AMA017 AMA
Under certain conditions, type A rivets are not used because of their
A) low strength characteristics.
B) high alloy content.
C) tendency toward embrittlement when subjected to vibration.

18. AMA007 AMA
What is indicated by a black 'smoky' residue streaming back from some of the rivets on an aircraft?
A) The rivets were excessively work hardened during installation.
B) Exfoliation corrosion is occurring inside the structure.
C) Fretting corrosion is occurring between the rivets and the skin.

19. AMA011 AMA
One of the main advantages of Hi-Lok type fasteners over earlier generations is that
A) they can be removed and reused again.
B) the squeezed on collar installation provides a more secure, tighter fit.
C) they can be installed with ordinary hand tools.

20. AMA101 AMA
The most important consideration(s) when selecting welding rod is
A) current setting or flame temperature.
B) material compatibility.
C) ambient conditions.

21. AMA101 AMA
Acetylene at a line pressure above 15 PSI is
A) dangerously unstable.
B) used when a reducing flame is necessary.
C) usually necessary when welding metal over 3/8-inch thick.

22. AMA101 AMA
Oxygen and acetylene cylinders are made of
A) seamless aluminum.
B) steel.
C) bronze.

23. AMA101 AMA

Oxides form very rapidly when alloys or metals are hot. It is important, therefore, when welding aluminum to use a
A) solvent.
B) filler.
C) flux.

24. AMA101 AMA
In gas welding, the amount of heat applied to the material being welded is controlled by the
A) amount of gas pressure used.
B) size of the tip opening.
C) distance the tip is held from the work.

25. AMA101 AMA
When a butt welded joint is visually inspected for penetration,
A) the penetration should be 25 to 50 percent of the thickness of the base metal.
B) the penetration should be 100 percent of the thickness of the base metal.
C) look for evidence of excessive heat in the form of a very high bead.

26. AMA101 AMA
Which statement best describes magnesium welding?
A) Magnesium can be welded to other metals.
B) Filler rod should be nickel steel.
C) Filler rod should be the same composition as base metal.

27. AMA011 AMA
Which is an acceptable safety device for a castle nut when installed on secondary structures?
A) Star washer.
B) Lockwasher.
C) Cotter pin.

28. AMA092 AMA
Placing a piece of cloth around a stainless steel control cable and running it back and forth over the length of the cable is generally a satisfactory method of
A) applying methyl-ethyl-ketone.
B) inspecting for broken strands.
C) inspecting for wear or corrosion.

29. AMA081 AMA
If the travel of an airplane's controls is correct but the cables are rigged exceptionally tight, what probable effect will this have when flying the airplane?
A) The airplane will tend to fall off on one wing.
B) The airplane will be heavy on the controls.
C) The pilot will be unable to fly the airplane hands off.

30. AMA001 AMA
The purpose of wing slats is to
A) reduce stalling speed.
B) decrease drag.
C) increase speed on takeoff.

31. AMA081 AMA
Rigging and alignment checks should not be undertaken in the open; however, if this cannot be avoided, the aircraft should be positioned
A) obliquely into the wind.

B) facing any direction since it makes no difference if the wind is steady (not gusting).
C) with the nose into the wind.

32. AMA091 AMA
What is the purpose of the free wheeling unit in a helicopter drive system?
A) It disconnects the rotor whenever the engine stops or slows below the equivalent of rotor RPM.
B) It releases the rotor brake for starting.
C) It relieves bending stress on the rotor blades during starting.

33. AMA091 AMA
The auxiliary (tail) rotor of a helicopter permits the pilot to compensate for and/or accomplish which of the following?
A) Attitude and airspeed.
B) Lateral and yaw position.
C) Torque and directional control.

34. AMA088 AMA
Which statement about Airworthiness Directives (AD's) is true?
A) AD's are information alert bulletins issued by the airframe, powerplant, or component manufacturer.
B) Compliance with an AD is not mandatory unless the aircraft affected is for hire.
C) Compliance with an applicable AD is mandatory and must be recorded in the maintenance records.

35. AMA065 AMA
How can it be determined that all air has been purged from a master cylinder brake system?
A) By operating a hydraulic unit and watching the system pressure gauge for smooth, full scale deflection.
B) By noting whether the brake is firm or spongy.
C) By noting the amount of fluid return to the master cylinder upon brake release.

36. AMA068 AMA
A landing gear position and warning system will provide a warning in the cockpit when the throttle is
A) retarded and gear is not down and locked.
B) advanced and gear is down and locked.
C) retarded and gear is down and locked.

37. AMA063 AMA
A flexible hydraulic hose identified as MIL-H-8788 will have a stripe running the length of the hose. This stripe
A) is used to ensure that the hose is installed without excessive twisting.
B) identifies that the hose is for high pressure fluids, with a 60 degree flexing range.
C) identifies that the hose is constructed of Teflon and is suitable for a wide temperature range.

38. AMA068 AMA
When an empty shock strut is filled with fluid, care should be taken to extend and compress the strut completely at least two times to
A) thoroughly lubricate the piston rod.
B) force out any excess fluid.
C) ensure proper packing ring seating and removal of air bubbles.

39. AMA069 AMA

After performing maintenance on an aircraft's landing gear system which may have affected the system's operation, it is usually necessary to
A) conduct a flight test.
B) re-inspect the area after the first flight.
C) make an operational check with the aircraft on jacks.

40. AMA097 AMA
How long should you wait after a flight before checking tire pressure?
A) At least 2 hours (3 hours in hot weather).
B) At least 3 hours (4 hours in hot weather).
C) At least 4 hours (5 hours in hot weather).

41. AMA097 AMA
When a properly operating fusible plug has allowed a tire to deflate, the tire should be
A) replaced.
B) externally inspected for damage.
C) removed from the wheel and inspected for carcass and tread damage.

42. AMA097 AMA
Excessive wear in the center of the tread of an aircraft tire is an indication of
A) incorrect camber.
B) excessive toe out.
C) overinflation.

43. AMA097 AMA
Why do tire and wheel manufacturers often recommend that the tires on split rim wheels be deflated before removing the wheel from the axle?
A) To relieve the strain on the wheel retaining nut and axle threads.
B) As a safety precaution in case the bolts that hold the wheel halves together have been damaged or weakened.
C) To remove the static load imposed upon the wheel bearings by the inflated tire.

44. AMA097 AMA
A stripe or mark applied to a wheel rim and extending onto the sidewall of a tube type tire is a
A) slippage mark.
B) wheel-to-tire balance mark.
C) wheel weight reference mark..

45. AMA068 AMA
Why do most aircraft tire manufacturers recommend that the tubes in newly installed tires be first inflated, fully deflated, and then reinflated to the correct pressure?
A) To allow the tube to position itself correctly inside the tire.
B) To eliminate all the air between the tube and the inside of the tire.
C) To test the entire assembly for leaks.

46. AMA064 AMA
Phosphate ester base hydraulic fluid is very susceptible to contamination from
A) teflon seal material.
B) water in the atmosphere.
C) ethylene propylene elastomers.

47. AMA064 AMA
How can the proper hydraulic fluid to be used in an airplane be determined?
A) Refer to the aircraft parts manual.

B) Consult the aircraft Type Certificate Data Sheet.
C) Consult the aircraft manufacturer's service manual.

48. AMA064 AMA
The internal resistance of a fluid which tends to prevent it from flowing is called
A) volatility.
B) viscosity.
C) acidity.

49. AMA063 AMA
The unit which causes one hydraulic operation to follow another in a definite order is called a
A) selector valve.
B) sequence valve.
C) shuttle valve.

50. AMA079 AMA
Pneumatic systems utilize
A) return lines.
B) relief valves.
C) diluter valves.

51. AMA063 AMA
Which allows free fluid flow in one direction and no fluid flow in the other direction?
A) Check valve.
B) Metering piston.
C) Shutoff valve.

52. AMA065 AMA
To protect packing rings or seals from damage when it is necessary to install them over or inside threaded sections, the
A) threaded section should be coated with a heavy grease.
B) packings should be stretched during installation to avoid contact with the threads.
C) threaded section should be covered with a suitable sleeve.

53. AMA011 AMA
(Refer to Airframe figure 11.) Which fitting is an AN flared tube fitting?
A) 1.
B) 2.
C) 3.

54. AMA063 AMA
The installation of a new metal hydraulic line should be made with
A) a straight tube to withstand the shocks and vibration to which it will be subjected.
B) a straight tube to permit proper alignment of the fitting and thereby reduce fluid loss through leakage.
C) enough bends to allow the tube to expand and contract with temperature changes and to absorb vibration.

55. AMA065 AMA
To prevent external and internal leakage in aircraft hydraulic units, the most commonly used type of seal is the
A) O ring seal.
B) gasket seal.
C) chevron seal.

56. AMA064 AMA
(1) When servicing aircraft hydraulic systems, use the type fluid specified in the aircraft manufacturer's maintenance manual or on the instruction plate affixed to the reservoir or unit.
(2) Hydraulic fluids for aircraft are dyed a specific color for each type of fluid.
Regarding the above statements,
A) only No. 1 is true.
B) only No. 2 is true.
C) both No. 1 and No. 2 are true.

57. AMA080 AMA
The cabin pressure of an aircraft in flight is maintained at the selected altitude by
A) controlling the air inflow rate.
B) inflating door seals and recirculating conditioned cabin air.
C) controlling the rate at which air leaves the cabin.

58. AMA080 AMA
The altitude controller maintains cabin altitude by modulation of the
A) safety and outflow valves.
B) safety valve.
C) outflow valve.

59. AMA074 AMA
The main cause of contamination in gaseous oxygen systems is
A) moisture.
B) dust and other airborne particulates.
C) other atmospheric gases.

60. AMA002 AMA
When checking a freon system, a steady stream of bubbles in the sight gauge indicates the charge is
A) high.
B) correct.
C) low.

61. AMA074 AMA
If oxygen bottle pressure is allowed to drop below a specified minimum, it may cause
A) the pressure reducer to fail.
B) the automatic altitude control valve to open.
C) moisture to collect in the bottle.

62. AMA072 AMA
In the diluter demand oxygen regulator, when does the demand valve operate?
A) When the diluter control is set at normal.
B) When the user demands 100 percent oxygen.
C) When the user breathes.

63. AMA080 AMA
The purpose of pressurizing aircraft cabins is to
(1) create the proper environment for prevention of hypoxia.
(2) permit operation at high altitudes.
Regarding the above statements,
A) only No. 1 is true.
B) only No. 2 is true.

C) both No. 1 and No. 2 are true.

64. AMA036 AMA
Which of the following causes of aircraft magnetic compass inaccuracies may be compensated for by mechanics?
A) Deviation.
B) Magnetic compass current.
C) Variation.

65. AMA063 AMA
The operating mechanism of most hydraulic pressure gauges is
A) a Bourdon tube.
B) an airtight diaphragm.
C) an evacuated bellows filled with an inert gas to which suitable arms, levers, and gears are attached.

66. AMA014 AMA
A barometric altimeter indicates pressure altitude when the barometric scale is set at
A) 29.92 inches Hg.
B) 14.7 inches Hg.
C) field elevation.

67. AMA041 AMA
Fuel flow transmitters are designed to transmit data
A) mechanically.
B) electrically.
C) utilizing fluid power.

68. AMA090 AMA
Who is authorized to repair an aircraft instrument?
1. A certified mechanic with an airframe rating.
2. A certificated repairman with an airframe rating.
3. A certificated repair station approved for that class instrument.
4. A certificated airframe repair station.
A) 1, 2, 3, and 4.
B) 3 and 4.
C) 3.

69. AMA090 AMA
Which of the following instrument discrepancies would require replacement of the instrument?
1. Red line missing.
2. Case leaking.
3. Glass cracked.
4. Mounting screws loose.
5. Case paint chipped.
6. Leaking at line B nut.
7. Will not zero out.
8. Fogged.
A) 2, 3, 7, 8.
B) 1, 4, 6, 7.
C) 1, 3, 5, 8.

70. AMA013 AMA
The green arc on an aircraft temperature gauge indicates

A) the instrument is not calibrated.
B) the desirable temperature range.
C) a low, unsafe temperature range.

71. AMA090 AMA
When installing an instrument in an aircraft, who is responsible for making sure it is properly marked?
A) The aircraft owner.
B) The instrument installer.
C) The instrument manufacturer.

72. AMA013 AMA
The red radial lines on the face of an engine oil pressure gauge indicates
A) minimum engine safe RPM operating range.
B) minimum precautionary safe operating range.
C) minimum and/ or maximum safe operating limits.

73. AMA013 AMA
An aircraft instrument panel is electrically bonded to the aircraft structure to
A) act as a restraint strap.
B) provide current return paths.
C) aid in the panel installation.

74. AMA090 AMA
A certificated mechanic with airframe and powerplant ratings may
A) perform minor repairs to aircraft instruments.
B) perform minor repairs and minor alterations to aircraft instruments.
C) not perform repairs to aircraft instruments.

75. AMA023 AMA
An aircraft antenna installation must be grounded
A) to the airframe.
B) to the engine.
C) to the radio rack.

76. AMA086 AMA
The preferred location of an ELT is
A) where it is readily accessible to the pilot or a member of the flightcrew while the aircraft is in flight.
B) as far aft as possible.
C) as far aft as possible, but forward of the vertical fin.

77. AMA087 AMA
When must the radio station license be displayed in an aircraft equipped with a two-way radio?
A) When the aircraft is operated outside the U.S..
B) When the aircraft is returned to service.
C) When the aircraft is certified for IFR flight.

78. AMA025 AMA
What is the primary purpose of an autopilot?
A) To relieve the pilot of control of the aircraft during long periods of flight.
B) To fly a more precise course for the pilot.
C) To obtain the navigational aid necessary for extended overwater flights.

79. AMA085 AMA
A DME antenna should be located in a position on the aircraft that will
A) not be blanked by the wing when the aircraft is banked.
B) permit interruptions in DME operation.
C) eliminate the possibility of the DME locking on a station.

80. AMA023 AMA
When installing a DME antenna, it should be aligned with the
A) null position.
B) angle of incidence.
C) centerline on the airplane.

81. AMA003 AMA
What minimum required markings must be placed on or near each appropriate fuel filler cover on utility category aircraft?
A) The word 'Avgas' and the minimum fuel grade, and the total fuel tank capacity.
B) The word 'Avgas' and the minimum fuel grade or designation for the engines, and the usable fuel tank capacity.
C) The word 'Avgas' and the minimum fuel grade .

82. AMA054 AMA
The primary purpose of a fuel tank sump is to provide a
A) positive system of maintaining the design minimum fuel supply for safe operation.
B) place where water and dirt accumulations in the tank can collect and be drained.
C) reserve supply of fuel to enable the aircraft to land safely in the event of fuel exhaustion.

83. AMA054 AMA
Integral fuel tanks on transport aircraft are
A) usually constructed of nonmetallic material.
B) readily removed from the aircraft.
C) formed by the aircraft structure.

84. AMA052 AMA
A fuel temperature indicator is located in the fuel tanks on some turbine powered airplanes to tell when the fuel may be
A) getting cold enough to form hard ice.
B) in danger of forming ice crystals.
C) about to form rime ice.

85. AMA052 AMA
Aircraft defueling should be accomplished
A) with the aircraft's communication equipment on and in contact with the tower in case of fire.
B) in a hangar where activities can be controlled.
C) in the open air for good ventilation.

86. AMA052 AMA
How may the antiknock characteristics of a fuel be improved?
A) By adding a knock inhibitor.
B) By adding a knock enhancer.
C) By adding a fungicide agent.

87. AMA052 AMA
If an aircraft is fueled from a truck or storage tank which is known to be uncontaminated with dirt or water, periodic checks of the aircraft's fuel tank sumps and system strainers

A) can be eliminated except for the strainer check before the first flight of the day and the fuel tank sump check during 100-hour or annual inspections.
B) are still necessary due to the possibility of contamination from other sources.
C) can be sharply reduced since contamination from other sources is relatively unlikely and of little consequence in modern aircraft fuel systems.

88. AMA041 AMA
An electrical type fuel quantity indicating system consists of an indicator in the cockpit and a
A) float operated transmitter installed in the tank.
B) float resting on the surface of the tank.
C) float operated receiver installed in the tank.

89. AMA056 AMA
What is the primary purpose of the crossfeed system?
A) To allow the feeding of any engine from any tank.
B) To allow the feeding of fuel from one tank for defueling.
C) To provide automatic refueling of a tank to any desired level.

90. AMA054 AMA
Why is the main fuel strainer located at the lowest point in the fuel system?
A) It traps any small amount of water that may be present in the fuel system.
B) It provides a drain for residual fuel.
C) It filters and traps all micro organisms that may be present in the fuel system.

91. AMA054 AMA
An aircraft's integral fuel tank is
A) usually located in the bottom of the fuselage.
B) a part of the aircraft structure.
C) a self sealing tank.

92. AMA053 AMA
Entrained water in aviation turbine fuel is a hazard because of its susceptibility to freezing as it passes through the filters. What are common methods of preventing this hazard?
A) Micromesh fuel strainers and fuel heater.
B) High-velocity fuel pumps and fuel heater.
C) Anti-icing fuel additives and fuel heater.

93. AMA055 AMA
Which of the following would be most useful to locate and troubleshoot an internal fuel leak in an aircraft fuel system?
A) Aircraft structure repair manual.
B) Illustrated parts manual.
C) A fuel system schematic.

94. AMA042 AMA
What is the advantage of a circuit breaker when compared to a fuse?
A) Never needs replacing.
B) Always eliminates the need of a switch.
C) Resettable and reusable.

95. AMA042 AMA
The three kinds of circuit-protection devices used most commonly in aircraft circuits are
A) circuit breakers, resistors, and current limiters.
B) circuit breakers, fuses, and current limiters.

C) circuit breakers, capacitors, and current limiter plug-ins mechanical reset types.

96. AMA041 AMA
Where electric cables must pass through holes in bulkheads, formers, ribs, firewalls, etc., the wires should be protected from chafing by
A) wrapping with electrical tape.
B) using a suitable grommet.
C) wrapping with plastic.

97. AMA043 AMA
If the (+) terminal of a voltmeter is connected to the (-) terminal of the source voltage and the (-) terminal of the meter is connected to the (+) terminal of the source voltage, the voltmeter will read
A) correctly.
B) low voltage.
C) backwards.

98. AMA042 AMA
How does the routing of coaxial cables differ from the routing of electrical wiring?
A) Coaxial cables are routed parallel with stringers or ribs.
B) Coaxial cables are routed at right angles to stringers or ribs.
C) Coaxial cables are routed as directly as possible.

99. AMA054 AMA
The generator rating is usually found stamped on the
A) firewall.
B) generator.
C) engine.

100. AMA039 AMA
Some electric motors have two sets of field windings wound in opposite directions so that the
A) speed of the motor can be more closely controlled.
B) power output of the motor can be more closely controlled.
C) motor can be operated in either direction.

101. AMA041 AMA
The starting current of a series wound dc motor, in passing through both the field and armature windings, produces a
A) low starting torque.
B) speed slightly higher when unloaded.
C) high starting torque.

102. AMA042 AMA
Electric circuits are protected from overheating by means of
A) thermocouples.
B) shunts.
C) fuses.

103. AMA041 AMA
Electric wire terminals for most aircraft applications must be what type?
A) Slotted.
B) Hook.
C) Ring.

104. AMA041 AMA

Aircraft electrical junction boxes located in a fire zone are usually constructed of
A) asbestos.
B) cadmium plated steel.
C) stainless steel.

105. AMA041 AMA
AN/MS electrical connectors are specifically designed to meet
A) Technical Standard Order (TSO) specifications.
B) military specifications.
C) International Civil Aviation Organization (ICAO) standards.

106. AMA054 AMA
What is a cause of generator brush arcing?
A) Seating brushes with No. 000 sandpaper.
B) Carbon dust particles.
C) Low spring tension.

107. AMA041 AMA
How should the splices be arranged if several are to be located in an electrical wire bundle?
A) Staggered along the length of the bundle.
B) Grouped together to facilitate inspection.
C) Enclosed in a conduit.

108. AMA043 AMA
What type of instrument is used for measuring very high values of resistance?
A) Megohmmeter.
B) Shunt type ohmmeter.
C) Multimeter.

109. AMA041 AMA
When handling a high voltage capacitor in an electrical circuit, be sure it
A) has a full charge before removing it from the circuit.
B) has at least a residual charge before removing it from the circuit.
C) is fully discharged before removing it from the circuit.

110. AMA041 AMA
For general electrical use in aircraft, the acceptable method of attaching a terminal to a wire is by
A) crimping.
B) soldering.
C) crimping and soldering.

111. AMA031 AMA
An antiskid system is
A) a hydraulic system.
B) an electrohydraulic system.
C) an electrical system.

112. AMA032 AMA
Antiskid braking systems are generally armed by
A) a centrifugal switch.
B) a switch in the cockpit.
C) the rotation of the wheels above a certain speed.

113. AMA031 AMA

(1) An antiskid system is designed to apply enough force to operate just below the skid point.
2) A warning lamp lights in the cockpit when the antiskid system is turned off or if there is a system failure.
Regarding the above statements,
A) only No. 1 is true.
B) only No. 2 is true.
C) both No. 1 and No. 2 are true.

114. AMA068 AMA
Landing gear warning systems usually provide which of the following indications?
A) Red light for unsafe gear, no light for gear down, green light for gear up.
B) Green light for gear up and down, red light for unsafe gear.
C) Red light for unsafe gear, green light for gear down, no light for gear up.

115. AMA068 AMA
Which of the following conditions is most likely to cause the landing gear warning signal to sound?
A) Landing gear locked down and throttle advanced.
B) Landing gear locked down and throttle retarded.
C) Landing gear not locked down and throttle retarded.

116. AMA033 AMA
What icing condition may occur when there is no visible moisture present?
A) Injector ice.
B) Inlet ice.
C) Carburetor ice.

117. AMA041 AMA
What maintains normal windshield temperature control in an electrically heated windshield system?
A) Thermal overheat switches.
B) Thermistors.
C) Electronic amplifiers.

118. AMA041 AMA
Where are the heat sensors located on most aircraft with electrically heated windshields?
A) Imbedded in the glass.
B) Attached to the glass.
C) Around the glass.

119. AMA020 AMA
Prior to installation of a pneumatic surface-bonded type deicer boots, on the leading edge of the wing, you should
A) remove all paint from the area to be covered by the deicer boot.
B) apply adhesive to the back of the deicer boot and leading edge of the wing.
C) apply a silastic compound between the boot and the wing skin.

120. AMA046 AMA
In what area of an aircraft would you find a carbon monoxide detector?
A) Surface combustion heater compartment.
B) Cockpit and/or cabin.
C) Engine and/or nacelle.

121. AMA046 AMA

A contaminated carbon monoxide portable test unit would be returned to service by
A) heating the indicating element to 300 °F to reactivate the chemical.
B) installing a new indicating element.
C) evacuating the indicating element with CO2.

122. AMA095 AMA
Smoke detection instruments are classified by their method of
A) construction.
B) maintenance.
C) detection.

123. AMA095 AMA
Smoke detectors which use a measurement of light transmissibility in the air are called
A) electromechanical devices.
B) photoelectrical devices.
C) visual devices.

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Maintenance of fire detection systems includes the
A) repair of damaged sensing elements.
B) removal of excessive loop or element material.
C) replacement of damaged sensing elements.